



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

2663
(12) 1/14/04
D.

Application of : Zion Hadad
Serial No. : 09/399,109
Filed : September 20, 1999
For : Bi-directional communication channel
Art Unit : 2663
Primary Examiner : Steven H.D. Nguyen

AMENDMENT

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Technology Center 2600

Honorable Commissioner for Patents
U.S. Patent Office
Washington, D.C. 20231
U.S.A.

Sir:

In response to the Official Action of October 31, 2003, please amend the above- identified patent application as follows:

In the Specification:

Cancel the new matter on pages 2-4 starting with "undesired frequency deviations.. to their momentary needs".

In the Claims:

Cancel without prejudice all the claims (Claims 41-60) now pending, and substitute therefor the following new Claims 61 - 70:

CANCEL CLAIMS 1-60

--61. In a unidirectional or broadcasting communication system using OFDM transmission from a base station to subscriber units, means for achieving a bi-directional channel comprising:

A. transmitting means in the subscriber units for transmitting second signals that are orthogonal to first signals transmitted from the base station and are also orthogonal to signals from other subscriber units;

B. receiving means in the base station for receiving and processing together the second signals from a plurality of subscriber units;

C. means at each subscriber unit for adapting the frequency of the second signal to frequency deviations of a signal received from the base station,